

- Rapid unblocking of membrane filter - using pressurised **air** and **water mixt.** transferred across membrane from pressurised vessel on filtrate side to partially evacuated vessel.

L20 ANSWER 98 OF 121 WPINDEX COPYRIGHT 2002 DERWENT INFORMATION LTD
AN 1993-038650 [05] WPINDEX
DNC C1993-017431
DC D15 J01
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PA (TRAI-N) SOC TRAITEMENTS HYDREX SNC; (HYDR-N) HYDREX SNC
CYC 8
PI EP 526372 A1 19930203 (199305)* FR 8p
R: CH DE DK ES GB IT LI
FR 2679465 A1 19930129 (199313) 21p
ADT EP 526372 A1 EP 1992-460023 19920723; FR 2679465 A1 FR 1991-9703 19910726
PRAI FR 1991-9703 19910726
AN 1993-038650 [05] WPINDEX
AB EP 526372 A UPAB: 19930924

Clearing of blockage from a membrane filter using pressurised **air** and **water mixture**. The **air** and **water mixture** is pressurised to 4-6 Bar in a vessel connected to the filtrate recovery side of the filter. A second vessel of lower volume, connected to the residue collection side of the filter is placed under a partial vacuum. The two vessels are connected provoking a high pressure release of the **air** and **water mixture** across the membrane in the opposite direction to filtration. The pressure causes slight deformation of the membrane, aiding the unblocking process. The volume of the partially evacuated vessel is 5 times the volume of the supply chamber of the filter plus half a litre per square meter of membrane. Ozone or chlorine compounds can be added to the **air** and **water mixtures**.

USE/ADVANTAGE - Cleaning of membranes used in microfiltration and ultrafiltration. Rapid unblocking membrane. Efficient unblocking of rigid and flexible membranes.
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